SAFETY DATA SHEET

1. Identification

Product identifier: ACCESS Organosilane G301

Other means of identification

Synonyms: Gamma-Glycidoxypropyltrimethoxysilane

Recommended use and restriction on use

Recommended use: Interface additive and adhesion promoter for coatings. Sizing agent for glass fibers used in insulation and reinforcement.
Restrictions on use: Consumer use.

Manufacturer/Importer/Distributor Information : ACCESS Rudolf Technologies, LP
2199 Burkette Road
Rock Hill, SC 29730

Contact person : info@accessrudolftech.com

Telephone : General information
803-909-5613

Emergency telephone number
Supplier : CHEM-TEL 1-800-255-3924

2. Hazard(s) identification

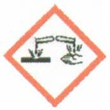
Hazard Classification

Health Hazards

Serious Eye Damage/Eye Irritation	Category 1

Label Elements

Hazard Symbol:



Signal Word: Danger

Hazard Statement: H318; Causes serious eye damage.

Issue Date: 05/06/2022

Revision Date: 11/11/2022

Version #: 5.1

Further Information: No data available.

Disclaimer:

Notice to reader

Unless otherwise specified in section 1, ACCESS Rudolf Technologies, LP products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.

Keep out of the reach of children.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Symptoms: Product may hydrolyse on contact with moisture and upon contact with bodily fluids to produce methanol, which is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Therefore, consider the signs/symptoms of methanol poisoning and also observe the known latency period of several days.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Treatment is symptomatic and supportive.

5. Fire-fighting measures

General Fire Hazards: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: All standard extinguishing agents are suitable.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures: Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters: Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Caution: Contaminated surfaces may be slippery. Avoid contact with skin and eyes. See Section 8 of the SDS for Personal Protective Equipment. Keep out of reach of children.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Serious eye damage or eye irritation

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

WARNING: This product can expose you to chemicals including Toluene, Methanol, which is [are] known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

3-glycidyl-oxypropyl-trimethoxy-silane

US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances
No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.

Appearance	
Physical state:	liquid
Form:	liquid
Color:	Clear, Pale
Odor:	ester like
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	-70 °C
Initial boiling point and boiling range:	233 °C
Flash Point:	110 °C
Evaporation rate:	< 1
Flammability (solid, gas):	This product is not flammable.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Heat of combustion:	No data available.
Vapor pressure:	< 1 hPa 0.011 hPa (20 °C)
Vapor density:	No data available.
Density:	No data available.
Relative density:	1.07 (20 °C)
Solubility(ies)	
Solubility in water:	36.5 g/l (20 °C)
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	0.5
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
SADT:	No data available.
Viscosity, dynamic:	2.9 mPa·s
Viscosity, kinematic:	No data available.
Other information	
Minimum ignition temperature:	400 °C
VOC:	; Not applicable

10. Stability and reactivity

Reactivity: Reacts with water.

3-glycidyl-oxypropyl-trimethoxy-silane — EC 50 (Daphnia, 48 h): 324 mg/l

Chronic hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Specified substance(s):
3-glycidyl-oxypropyl-trimethoxy-silane — NOEC (Daphnia, 21 d): > 100 mg/l

Toxicity to Aquatic Plants
Product: No data available.

Specified substance(s):
3-glycidyl-oxypropyl-trimethoxy-silane — NOEC (Algae, 7 d): 119 mg/l

Persistence and Degradability

Biodegradation
Product: No data available.

Specified substance(s):
3-glycidyl-oxypropyl-trimethoxy-silane — The product is not readily biodegradable.

BOD/COD Ratio
Product: No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: Log Kow: 0.5 20 °C

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments
3-glycidyl-oxypropyl-trimethoxy-silane — No data available.

Other adverse effects: No data available.

Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral
Product: Not classified for acute toxicity based on available data.

Dermal
Product: ATEmix: 2,532.93 mg/kg

Inhalation
Product: Not classified for acute toxicity based on available data.

Specified substance(s):
3-glycidyl-oxypropyl-trimethoxy-silane — LC50: > 5.3 mg/l

Repeated dose toxicity
Product: No data available.

Specified substance(s):
3-glycidyl-oxypropyl-trimethoxy-silane — NOAEL : 500 mg/kg
NOAEL : 225 mg/m³

Skin Corrosion/Irritation
Product: No data available.

Specified substance(s):
3-glycidyl-oxypropyl-trimethoxy-silane — OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) Non irritating

Serious Eye Damage/Eye Irritation
Product: No data available.

Specified substance(s):
3-glycidyl-oxypropyl-trimethoxy-silane — OECD-Guideline 405 (Acute Eye Irritation/Corrosion) This substance is corrosive.

Respiratory or Skin Sensitization
Product: No data available.

Specified substance(s):
3-glycidyl-oxypropyl-trimethoxy-silane — , OECD-Guideline 406 (Skin Sensitisation)Non sensitizing.

Carcinogenicity

ACCESS RUDOLF
TECHNOLOGIES, LP

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803-909-5613
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ACCESS B-WB

Technical Data Sheet

COMPOSITION

Emulsion based on silanes and modified polysiloxanes.

USES

Water-based water-repellent emulsion for mineral substrates

PROPERTIES

- Highly water-repellent
- Does not affect the water vapor permeability.
- High early water resistance
- Creates strong beading effect.
- Highly penetrating
- Low tendency to soil
- Prevents soluble salts from blooming.
- Solvent-free

TECHNICAL DATA

- Appearance: milky, white, liquid
- Active concentration: ~ 50 %
- Specific gravity at 20°C: ~ 0.95 g/cm^3

APPLICATION

ACCESS B-WB is an excellent impregnating agent for many mineral materials, e.g. brick, cinderblock, sandstone, natural stone or mineral plaster. Depending on the absorptive power of the substrate, **ACCESS B-WB** can be diluted with water in a ratio of 1: 4 to 1 : 9. Apply a uniform and rich coat of the dilution to the absorbent surface with a brush, roller or by flooding. To avoid omitted places, two applications wet-on- wet are possible.

For mass waterproofing and to prevent salt blooming, we recommend adding 0.1 - 1.0 % **ACCESS B-WB**, related to cement weight.

STORAGE

The product is sensitive to freezing and heat and must not be stored at temperatures below 0 °C or above 40 °C. Irreparable damage is possible. In the case of suspected freezing or heat damage, the usability of the product must be checked before processing. The product may change over time, depending on conditions (e.g. form creaming, sediment, separation). Please stir well before use.

ATTENTION

The above recommendations are based on comprehensive studies and practical experience. The user should test for themselves whether the product is suited for their applications. We are, above all, not liable for fields and methods of application which have not been putdown by us in writing. Advice for labeling regulations and protective measures can be taken from the respective safety data sheet.